

**BDH1, 47-343aa, Human, His Tag, E.coli**

**Cat.NO.: TP01317**

3th Edition

**Synonyms:**D-beta-hydroxybutyrate dehydrogenase, BDH, MGC2723, MGC4347, MGC9788, SDR9C1.

**Description:**BDH1 is a member of the short-chain dehydrogenase/reductase gene family. This protein forms a homotetrameric lipid-requiring enzyme of the mitochondrial membrane and has a specific requirement for phosphatidylcholine for optimal enzymatic activity.

**Form:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 30% glycerol 0.2M NaCl,2mM DTT, 0.1mM PMSF

**Molecular Weight:**35.3 kDa (318aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMASAAEPVGSKAVLVTGCDSGFGFSLAKHLHSGFLVFAGCLMKDKGHDGVKEL  
DSLNSDRLRTVQLNVCSSSEEVEKVVEIVRSSLKDPEKGMWGLVNNAGISTFGEVEFTSLETYKQVAEVLNLTGTVR  
MTKSFLPLIRRAKGRVNVNISSMLGRMANPARSPYCITKFGVEAFSDCLRYEMYPLGVKVSVEPGNFIAATSLYSPE  
SIQAIKKMWEELPEVVRKDYGKKYFDEKIAKMETCYSSGSTDTSPVIDAVTHALTATTPYTRYHPMDYYWWLRMQ  
IMTHLPGAISDMIYIR

**Purity:**> 95% by HPLC

**Concentration:**0.25 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.